

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Not for submission under 37 CFR 1.99)	Application Number	09597917
	Filing Date	2000-06-19
	First Named Inventor	Phillip Miller
	Art Unit	2876
	Examiner Name	J. A. Franklin
	Attorney Docket Number	14410US01

U.S. PATENTS							Remove
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	
	1	6400761	2B	2002-06-04	Smee et al.		
	2	5854812	B1	1998-12-29	Huber et al.		

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S. PATENT APPLICATION PUBLICATIONS							Remove
Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	
	1						

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

FOREIGN PATENT DOCUMENTS							Remove	
Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> j	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1	0 675 622	EP		1995-10-04	Fujitsu, Ltd.		<input type="checkbox"/>
	2	44 40 947	DE		1996-04-25	Kommunikations Elektronik		<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Not for submission under 37 CFR 1.99)

Application Number	09597917
Filing Date	2000-06-19
First Named Inventor	Phillip Miller
Art Unit	2876
Examiner Name	J. A. Franklin
Attorney Docket Number	14410US01

3	98/39871	WO		1998-09-11	Level One Communications Inc.	<input type="checkbox"/>
---	----------	----	--	------------	-------------------------------	--------------------------

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add](#)

**NON-PATENT LITERATURE DOCUMENTS**

[Remove](#)

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>9</sup>
	1	AMAN, A.K., et al. "Combined trellis coding and DFE through Tomlinson precoding", IEEE Journal on Selected Areas in Communications, Vol. 9, No. 6, August 1991, pp. 876-884.	<input type="checkbox"/>
	2	LEE, L.H.C., et al. "Convolutional Coding: Fundamentals and Applications", Boston, Massachusetts, Artech House, Inc., 1997.	<input type="checkbox"/>
	3	SCHLEGL, C., "Trellis Coding", New York, New York, The Institute of Electrical and Electronics Engineers, Inc., 1997.	<input type="checkbox"/>
	4	UNGERBOECK, G., "Channel Coding with Multilevel/Phase Signals", IEEE Transactions on Information Theory, Vol. 28, No. 1, January 1982, pp. 55-67.	<input type="checkbox"/>
	5	FISCHER, R.F.H., et al., "Dynamics Limited Precoding, Shaping, and Blind Equalization for Fast Digital Transmission Over Twisted Pair Lines", IEEE Journal on Selected Areas in Communications, Vol. 13, No. 9, December 1995, pp. 1622-1633.	<input type="checkbox"/>
	6	AGAZZI, O., et al., "10Gb/s PMD Using PAM-5 Trellis Coded Modulation", IEEE 802.3ae 10 Gb/s Task Force, March 2000 Plenary week meeting, March 7-8, 2000, <http://grouper.ieee.org/groups/802/3/ae/public/mar00/>.	<input type="checkbox"/>
	7	DARCIE, T.E., "Subcarrier Multiplexing for Lightwave Networks and Video Distribution Systems", IEEE Journal on Selected Areas in Communications, Vol. 8, No. 7, September 1990.	<input type="checkbox"/>
	8	MASON, R., et al., "High-Speed Electro-Optic Analogue to Digital Converters", 1993 International Symposium on Circuits and Systems, May 3-6, 1993.	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	09597917
Filing Date	2000-06-19
First Named Inventor	Phillip Miller
Art Unit	2876
Examiner Name	J. A. Franklin
Attorney Docket Number	14410US01

9	KASPER, B.L., "Equalization of Multimode Optical Fiber Systems", The Bell System Technical Journal, Vol. 61, No. 7, September 1982, pp. 1367-1388.	<input type="checkbox"/>
10	BINGHAM, J.A.C., "Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come", IEEE Communications Magazine, May 1990, pp. 5-14.	<input type="checkbox"/>
11	WALKLIN, S., et al., "Multilevel Signaling for Increasing the Reach of 10Gb/s Lightwave Systems", Journal of Lightwave Technology, Vol. 17, No. 11, November 1999, pp. 2235-2248.	<input type="checkbox"/>
12	GUIZANI, M., et al., "PC-Compatible Optical Data Acquisition Unit", 1994 Instrumentation and Measurement Technology Conference, May 10-12, 1994.	<input type="checkbox"/>
13	KANNO, N., et al., "Fiber-Optic Subcarrier Multiplexing Video Transport Employing Multilevel QAM", IEEE Journal on Selected Areas in Communication, Vol. 8, No. 7, September 1990.	<input type="checkbox"/>
14	ELLERSICK, W., et al., "GAD: A 12GS/s CMOS 4-bit A/D Converter for an Equalized Multi-Level Link", 1999 Symposium on VLSI Circuits.	<input type="checkbox"/>
15	DALLY, W.J., et al., "Transmitter Equalization for 4Gb/s Signaling", Proceedings of Hot Interconnects IV, Palo Alto, 1996.	<input type="checkbox"/>
16	WINTERS, J.H., et al., "Reducing the Effects of Transmission Impairments in Digital Fiber Optic Systems", IEEE Communications Magazine, June 1993, pp. 68-76.	<input type="checkbox"/>
17	KASTURIA, S., et al., "Techniques for High-Speed Implementation of Nonlinear Cancellation", IEEE Journal on Selected Areas in Communications, Vol. 9, No. 5, June 1991.	<input type="checkbox"/>
18	OLSHANSKY, R., et al., "Subcarrier Multiplexed Lightwave Systems for Broadband Distribution", Journal of Lightwave Technology, Vol. 7, No. 9, September 1989.	<input type="checkbox"/>
19	WINTERS, J.H., et al., "Electrical Signal Processing Techniques in Long-Haul Fiber-Optic Systems", IEEE Transactions on Communications, Vol. 38, No. 9, September 1990, pp. 1439-1453.	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	09597917
Filing Date	2000-06-19
First Named Inventor	Phillip Miller
Art Unit	2876
Examiner Name	J. A. Franklin
Attorney Docket Number	14410US01

If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached